

BEVELLING MACHINES

WELDING CARRIAGES



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BEVELLING MACHINES







- I.D. mounted pipe bevelling machine
- Available with either a pneumatic motor or electric motor
- 32mm I.D. minimum pipe capacity
- 114mm O.D. maximum pipe capacity



- Simultaneously perform 3 of the following operations internal bevel, external bevel, J-groove, face off, chamfer, counterbore
- Standard pipe machining range 84mm to 269mm I.D.
- 38mm to 392mm I.D. with optional accessories

PRO 40 PBS PIPE BEVELLING MACHINE

- Large diameter stationary machine for bevelling and facing pipes, tanks and tubes
- 200mm to 1000mm diameter capacity
- \bullet Maximum O.D. bevel width up to 45mm between 0° and 60°
- Maximum I.D. beveling width up to 5mm, & up to 20mm with optional milling head, within a range of angles from 0° to -60°
- User-friendly control panel









WELDING CARRIAGES

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GECKO

FILLET WELDING CARRIAGE

- Heavy duty European made portable fillet welding carriage designed to produce consistent high-quality welds
- 4 -wheel drive with magnetic base allows for vertical & horizontal welding
- Constant, continuous and repeatable travel speed with closed loop speed stabilisation system
- Multifunctional LED display
- Compact and lightweight design with durable cast aluminum housing
- Torch Holder mechanism for different types of MIG/MAG torches with diameters of 16 - 22mm
- 0-1100mm/min horizontal speed
- · Self-guiding roller arms



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LIZARD

PROGRAMMABLE FILLET WELDING CARRIAGE

- Simple to use multifunction LED display for programming welding patterns & parameters including travel speed, weld length, skip length, total length, reverse fill & crater fill time. These setting can be saved, & up to 40 different programs can be stored
- Continuous and stitch weld capability
- Oscillation Attachment available
- 4 -wheel drive with magnetic base for vertical welding
- Accepts MIG/MAG torches with diameters of 16 22mm
- Closed loop speed control system
- 0-1200mm/min horizontal speed



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DRAGON

CUTTING & BEVELLING OXY - FUEL CARRIAGE

- Cutting & bevelling from 0° to 45°
- Advanced speed control system with LED readout of actual and set speed
- 0-1500mm/min cutting speed
- Travels on rail or direct on work piece
- Wide assortment of accessories available









BM21

PORTABLE BEVELLER

Overview

The BM21 is the latest generation portable bevelling machine, for machining plates and pipes prior to welding. This new and improved design offers a number of innovative solutions that increase ergonomics and ensure even more comfort and work safety of the operator. Also available is the BM21S Bevelling Machine, specifically designed for working with stainless steel.

Features

- New single milling head equipped with 10 indexable inserts, that makes the machining process far more efficient with little operator's effort
- Extended working range from 0 to 60 degrees with continuous angle adjustment
- Easy setting of chamfer angle and bevel width
- One universal guideline for bevelling both plates and pipes
- Bevels pipes 150 300mm diameter, optional attachment available for bevelling pipes 260-600mm diameter
- 4 vibration isolators protect both the operator and electronics of the machine against harmful vibration

• Unique BM21S features include a low speed (grey colour) motor, plus guide plate and guide rolls made of stainless steel



Plate bevelling



Plate facing-off



Pipe bevelling

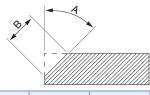


Mono block milling head



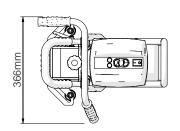
Specifications

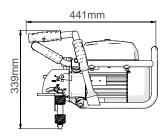
Part No.	WA-BM21	WA-BM21S
Induction Motor	1600W	1600W
Grinding Angle	0-60°	0-60°
Speed	2800rpm	1360rpm
Weight	20kg	20kg



Maximum Bevel Width

A	0°	15°	30°	45°	60°
В	21mm	18.5mm	18.5mm	21mm	18.5mm





Optional Accessories & Consumables

WAP-B010 • Replacement cutting tips for hardened steels (10 required)

WAP-B020

• Replacement standard cutting tips (10 required)

WAP-B20/4020 • Large pipe attachment for 260mm - 600mm pipe

ABM28

AUTO-FEED PORTABLE BEVELLING MACHINE

Overview

The ABM28 is an automatic track feed bevelling machine designed for milling edges of plates up to 35mm thick with the standard equipment supplied, and up to 70mm with optional accessories. The intelligent design provides a very fast and effortless setup, and delivers perfect results with minimal operator effort or skill. The automatic feed and controlled travel speed helps to increase productivity and eliminate operator error.

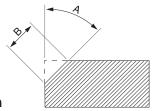
With the variable travel speed control, the ABM28 can mill all types of metal including stainless, aluminium and composites. It can also mill plates in both directions eliminating unnecessary "empty journeys". The ABM28 is equipped with an overload control system to protect the machine, the tooling and the operator. The length of the guide track can be extended to any required length.

The bevelling angle can be set between -60° and 60°, including facing at 0°. This allows both the top and underside of the plate to be bevelled without moving the material.

Using optional accessories, the ABM28 can also create J-groove bevels.

Specifications

Part No.	WA-ABM28
Plate Thickness	10mm minimum to 35mm maximum, 70mm with optional attachment
Machining Angle	-60° to 60°
Motor	1600 Watt 240V 2800rpm
Dimensions	1211 W x 532 H x 619 D



Maximum Bevel Width

Α	0°	30°	45°	60°
В	35mm	30mm	28mm	30mm

Optional Accessories & Consumables

WAP-B010 • Replacement cutting tips for hardened steels (10 required)

WAP-B020 • Replacement standard cutting tips (10 required)

WAP-B28/6130 • Lever Clamp for plate up to 35mm thick

WAP-B28/6140 • Lever Clamp for plate up to 70mm thick

WAP-B28/6150 • Positioner unit for plate up to 35mm thick

WAP-B28/6160 • Positioner unit for plate up to 70mm thick

WAP-B28/6170 • Rail segment 1200mm long

WAP-B28/6180 • Milling unit support for bevelling 35-70mm 0 ° to 60°

WAP-B28/6190 • Milling unit support for bevelling 35-70mm 0 ° to -60°



Plate facing-off



-60° Plate bevelling



J-groove bevelling



Package Includes

- Bevelling Machine
- 1200mm Track Segment x 2
- Track Clamp x 2
- 35mm Lever Clamp x 3
- Standard Milling Unit Support

PRO 5 PB

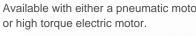
PORTABLE PIPE BEVELLER



The Trademaster PRO 5 PB is a European made I.D. mounted pipe bevelling machine, designed for portable use by a single operator. The self-centring expandable mandrel provides quick and correct alignment to pipe or tube prior to machining operations.

operations - external bevel, internal bevel, face off, I.D. chamfer, J-groove bevel, and counterbore. Available with either a pneumatic motor

The Pro 5 PB is able to simultaneously perform 3 of the following





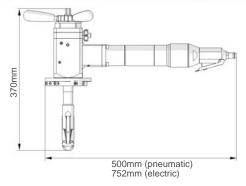
Pipe machining range:

- 32mm I.D. minimum pipe capacity
- 114mm O.D. maximum pipe capacity Set of jaw blocks

Package Includes

- · PRO 5 PB Bevelling Machine
- Mandrel 32mm I.D. to 114mm O.D.

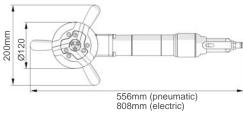
Part No.	WA-PR05PBA	WA-PR05PBE
Motor	Pneumatic Motor 800W	Electric Motor 1000W
Dimensions	500 x 370 x200mm	753 x 370 x 183mm
Weight	9.5kg	10.6kg



Optional Accessories

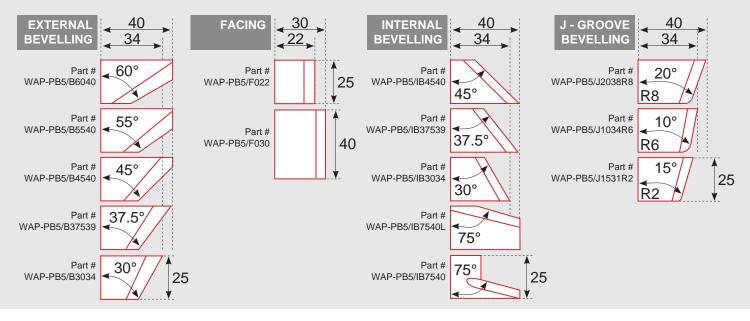
Flange Turning Attachment Cutting capacities 50 to 260mm





CUTTING INSERTS

HIGH SPEED STEEL



PRO 10 PB

PORTABLE PIPE BEVELLER



Overview

The Trademaster PRO 10 PB is a European made I.D. mounted portable pipe bevelling machine.

Although it is a large capacity heavy duty machine, it can be used efficiently by a single operator, weighing in at a total of just 31.5kg. The self-centring expandable mandrels provide quick and correct alignment to pipe.

The PRO 10 PB can simultaneously perform 3 of the following operations – internal bevel, external bevel, J-groove bevel, face off, chamfer and counterbore. Whilst the machine can be operated with just 1 cutting insert, optimal results are achieved by using 3 cutting inserts at once.

The PRO 10 PB is available with either a pneumatic motor or high torque electric motor.

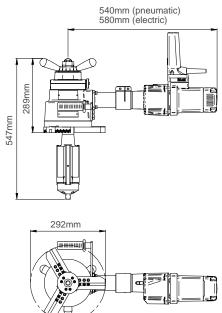
Package Includes

- PRO 10 PB Bevelling Machine
- Mandrel for pipe 84mm I.D. to 269mm I.D.
- Jaw block set no. 1 to 6
- Toolbox & tools
- Coolant bottle



Specifications

Part No.	WA-PR010PBA	WA-PR010PBE
Motor	Pneumatic Motor 1.5kw	Electric Motor 1.8kw
Power Requirements	1750 I/min at 630 kPa	230V/50Hz
Spindle Speed	20rpm	2 speed gearbox with electronic variable speed 12-28; 41-96rpm
Weight (with standard mandrel)	32.0kg	36.0kg



PRO 10 PB

(continued)

MACHINE WORKING RANGE

PIPE BEVELLING & FACING RANGE - STANDARD

With standard equipment	I.D. 84 - 269mm Tooling Reach 292mm
Maximum wall thickness	20mm

PNEUMATIC

PRO 10 PBA

PIPE BEVELLING & FACING RANGE - WITH OPTIONAL ATTACHMENTS

With optional Small Expanding Mandrel Set (Part No. WAP	-PB10/510) PIPE I.D. 38 - 86mm Tooling Reach 292mm
With optional Large Expanding Mandrel Set (Part No. WAP	-PB10/540) PIPE I.D. 126 - 296mm Tooling Reach 292mm
With optional Range Increasing Set (Part No. WAP-PB10/5	PIPE I.D. 192 - 365mm Tooling Reach 372mm

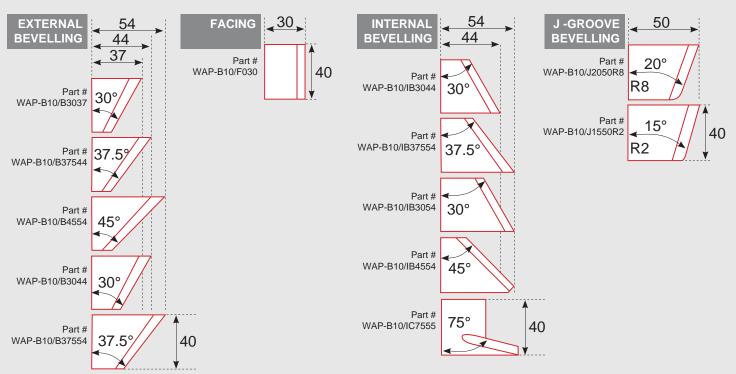


FLANGE TURNING RANGE - WITH OPTIONAL ATTACHMENTS

With standard mandrel	PIPE I.D. 84 - 269mm
& optional Flange Turning Attachment (Part No. WAP-PB10/520)	Turning Range 90-508mm
With optional Flange Turning Attachment (Part No. WAP-PB10/520) & optional Large Expanding Mandrel Set (Part No. WAP-PB10/540) & optional Range Increasing Set (Part No. PB10/550)	PIPE I.D. 219 - 392mm Turning Range 90-508mm

CUTTING INSERTS

HIGH SPEED STEEL



PRO 10 PB

(continued)

OPTIONAL ATTACHMENTS



Part # WAP-B10/510

Specifications

- Enables machining of pipe 38 to 86mm I.D.
- 292mm tooling reach
- Includes jaw blocks #1 to #5





RANGE INCREASING SET

Part # WAP-B10/550

Overview

Extension set designed to increase the machining range up to 365mm I.D. Includes 3 steel tool bit holders to increase the tooling reach to 372mm, and jaw blocks #7 to #12 to increase the pipe range to 192 - 365mm I.D. Supplied in a metal box.

Specifications

- Enables machining of pipe 192 - 365mm I.D. with standard mandrel fitted
- 372mm tooling reach



OVAL PIPE ATTACHMENT

Part # WAP-B10/530

Overview

Attachment for bevelling and facing oval shaped pipe. The spring loaded guide roller rotates on the I.D. of the pipe, and allows the cutting insert to move in and out with the oval pipe up to 15mm.



- 84 269mm I.D. with standard jaw block set
- 126 296mm I.D. with optional Large Expanding Mandrel Set (WAP-B10/540)





FLANGE TURNING ATTACHMENT

Part # WAP-B10/520

Part # WAP-B10/520INSERT (Indexable carbide insert to suit)

Overview

Flange turning attachment using indexable carbide inserts with cutting capacities 90 to 508mm diameter. The machine can mill inwards or outwards at a feed rate of 0.33mm or 0.66mm per revolution, using a bumper system to automatically feed the carbide insert with each revolution of the machine.

Specifications

- Minimum milling diameter: 90mm
- Maximum milling diameter: 508mm
- Feed rate: 0.33mm per revolution using 1 bumper or 0.66mm per revolution using 2 bumpers



LARGE EXPANDING MANDREL SET

Part # WAP-B10/540

Overview

Specifically designed to be used with optional Flange Turning Attachment (WAP-PB10/520) & Range Increasing Jaw Block Set (WAP-PB10/550) for flange turning on pipe up to 392mm I.D. and turning range up to 508mm diameter

Specifications

- 126 296mm I.D. with standard jaw block set
- 292mm tooling reach



PRO 40 PBS

PIPE BEVELLING MACHINE



Overview

The PRO 40 PBS is designed for bevelling and facing pipes, tanks and tubes in a range of diameters from 200mm to 1000mm. A high-speed rotary milling head with replaceable inserts enables effective and efficient machining with bevel widths up to 45mm and angles between 0° and 60°. Internal bevelling and J-groove end preparation is an available option.

The use of a heavy duty milling head in the PRO 40 PBS offers accurate bevels in a fraction of the time compared to traditional single point machining. This feature saves time and money as well as improving accuracy.



Part No.	PRO40PBS
Power supply	Single Phase 240V
External pipe diameter range	200 - 1000mm pipes longer than 830mm; 200 - 600mm pipes of 400-830mm length
Maximum pipe weight	6 000 kg with standard plastic rollers on active support 10 000 kg with optional steel rollers on active support
Min. pipe thickness	5mm
Pipe fixing	Mechanical with chain
Feed rate	100-1100 mm/min
Bevelling angle range	0-60° with continuous angle adjustment
Max OD bevel width	45mm
Max ID bevel width	5mm standard, up to 20mm - Optional
Bevelling type "J"	YES - Optional
"J" type bevelling radius	6mm or 8mm
Weight	1100 KG

Features



Maximum O.D. bevel width up to 45mm within a range of angles from 0° to 60°



Maximum I.D. bevelling width up to 5mm, up to 20mm with optional milling head, within a range of angles from 0° to -60°



Optional J-groove milling head available with either 6 or 8mm radius



Clamping device for short pipes 400 - 830mm length



Adjustable chain (Ø 200 -1000mm) ensures positive axial rotation



User-friendly control panel



Heavy-duty adjustable pipe support (ø 200 -1000mm)



Shields and internal lighting increase safety and comfort of the operator

Optional Accessories & Consumables

WAP-B40/8010

Standard Milling head

WAP-B020

• Replacement standard cutting tips (7 required)

WAP-B010

• Cutting tips for hard steels (7 required)

WAP-B40/8020

• J-groove R6 milling head

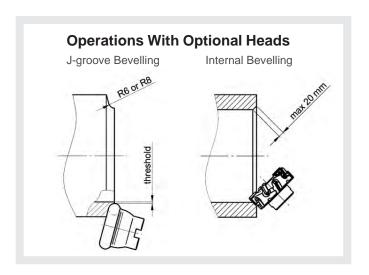
WAP-B40/8040

• J groove R6 cutting tip (6 required)

WAP-B40/8030 WAP-B50/8050 J-groove R8 milling headJ groove R8 cutting tip (5 required)

1400mm 1993mm 2372mm

*Dimensions shown are with 1400mm length pipe



GECKO

FILLET WELDING CARRIAGE

Overview

The Trademaster Gecko is a heavy duty European made portable fillet welding carriage designed to produce consistent high quality welds.

It features a 4-wheel drive system with magnetic traction and a control loop feedback mechanism which provides speed stabilisation in all welding positions.

Constant, continuous and repeatable travel speed enables weld bead geometry that is exact to the required specifications, thus substantially reducing costly over welding and decreasing filler metal usage.

Features

- · Compact & lightweight design with durable cast aluminum housing
- Permanent magnet clamping system with on/off lever ensures positive magnetic traction
- Maintenance free 4-wheel drive with worm gear reduction
- · Quick clamping torch holder mechanism for different types of MIG/MAG torches with diameters of 16 - 22mm (5/8" - 7/8")
- Precise torch adjustment with screw drive cross slide
- Multifunctional LED display presetting of travel speed, metric & imperial units, error codes information
- · Closed loop speed control system stabilises travel speed to reduce weld defects and costly rework
- Consistent heat input reduces distortion
- Automatic ARC ON/OFF system initiates welding with travel, simultaneously
- · Self-guiding roller arms eliminate the need for track
- Improves working environment removes operator from heat and fumes

Part No.	WA-GECKO
Power supply	115-230VAC / 50-60Hz
Welding positions	Vertical / Horiziontal
Chassis to material clearance	4mm
Travel mechanism	Friction drive with worm gear reduction, 4 wheel drive, heat resistant silicone wheels
Tracking method	2-guide rollers
Torch adjustment	Up-down 35mm, left -right 35mm
Gear roller adjustment	100mm
Horizontal speed	0-1100mm/min
Vertical speed	0-1000mm/min
Dimensions	240mm (L) x 258mm (W) x 253mm (H)
Weight	8kg





Package Includes

182mm

240mm

- Welding carriage Torch holder
- Power lead
- 4mm Allen key
- Arc ignition cable Operator's manual



173 - 208mm

258mm

213 - 313mm

4mm

Optional Accessories & Consumables



Dual Torch Mount

WAP-G2010

Enables mounting of a second torch for dual sided fillet welding



Adjustable Guide Arms WAP-G2040

Enables guiding on lap joints and templates



Torch Extension Arm

WAP-G2020

Enables extended reach for torch placement



Short Torch Arm

WAP-G2050

110mm Length, designed to be used with torch clamp to hold welding torch



Edge Guide Arms

WAP-G2030 Enables guiding off an outside edge



Long Torch Arm WAP-L4030

230mm Length, designed to be used with torch clamp to hold

LIZARD

PROGRAMMABLE FILLET WELDING CARRIAGE

Overview

The Trademaster Lizard is a heavy duty European made portable welding carriage designed to produce consistently high quality welds.

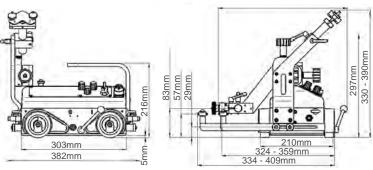
The Lizard features programmable welding patterns and parameters, and an optional oscillating attachment is available. The unit enables weld bead geometry that is exact to the required specifications, thus substantially reducing costs.

Features

- Simple to use multifunction LED display for programming welding patterns & parameters including travel speed, weld length, skip length, total length, reverse fill & crater fill time. These settings can be saved, & up to 40 different programs can be stored.
- · Continuous and stitch weld capability
- · Compact & lightweight design with durable cast aluminum housing
- · Permanent magnet clamping system with on/off lever ensures positive magnetic traction
- Maintenance free 4-wheel drive with worm gear reduction
- Friction drive and control loop feedback mechanism provides speed stabilisation in all positions, to reduce weld defects
- · Automatic off limit switches on both ends of machine
- Automatic ARC ON/OFF system initiates welding and travel. simultaneously
- Quick clamping torch holder mechanism for different types of MIG/MAG torches with diameters of 16 - 22mm (5/8" - 7/8"); optionally up to 35mm (1-3/8")
- · Precise torch adjustment with screw drive cross slide
- Consistent heat input reduces distortion
- · Self-guiding roller arms eliminate the need for track
- Improves working environment removes operator from heat and fumes







Part No.	WA-LIZARD
Power supply	115-230VAC / 50-60Hz
Welding positions	Vertical / Horiziontal
Chassis to material clearance	5mm
Travel mechanism	Friction drive with worm gear reduction, 4 wheel drive, heat resistant silicone wheels
Tracking method	2-guide rollers
Torch adjustment	Up-down 35mm, left -right 35mm
Gear roller adjustment	75mm
Horizontal speed	0-1200mm/min
Vertical speed	0-1100mm/min
Dimensions	282mm (L) x 272mm (W) x 390mm (H)
Weight	13.5kg

Package Includes

- Welding carriage
- Power lead
- · Arc ignition cable
- · Cable holder
- Torch Holder · Lower Torch Holder
- 4 mm Allen key
- · Operator's manual



Optional Accessories & Consumables



Dual Torch Mount

WAP-G2010

Enables mounting of a second torch for dual sided fillet welding



Adjustable Guide Arms WAP-L4020

Enables guiding on lap joints and templates



Torch Extension Arm WAP-G2020

Enables extended reach for torch placement



Edge Guide Arms WAP-L4010

Enables guiding off an outside edge



Large Torch Clamp WAP-L4040

Designed to hold large diameter torches 22 - 35mm

DRAGON

CUTTING & BEVELLING OXY - FUEL CARRIAGE

Overview

The Trademaster Dragon is designed to carry a range of oxy-fuel cutting torches with a grip diameter 28-35mm, to perform machine quality cutting and bevelling processes in a variety of applications.

Features

- Cutting and bevelling 0° to 45° (also parallel with 2 torches)
- Quick clamping torch holder for torch diameter 28mm to 35mm
- Advanced speed control system with implemented digital control loop feedback PID regulator
- LED display with readout of actual and set speed, and report messages
- Travel on a rail or directly on a workpiece
- 2-wheel drive with automatic braking drive unit
- Quick drive release switch for easy re-positioning
- Connectable rails to form various lengths
- Rigid and heat-proof design
- Wide assortment of optional accessories for variety of applications, see page 15 for details

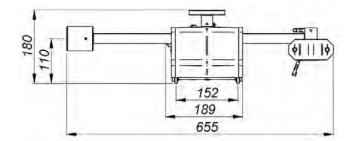
Part No.	WA-DRAGON
Power supply	115-230VAC / 50-60Hz
Power	13W
Torch grip diameter	28-35mm
Chassis to material clearance	7.5mm
Travel mechanism	4 knurled wheels, 2 wheel drive
Guiding equipment	Optional "V" type rail with grooves at 152mm centres, 1800mm length (part# WAP-D6010)
Cutting speed	0-1500mm/min
Chassis dimensions	427mm(L) x 189mm(W) x 180mm(H)
Weight	16.8kg

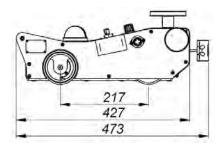
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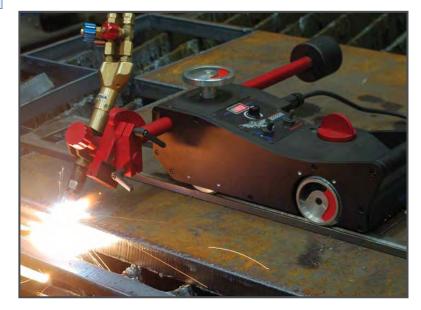
- Dragon carriage
- Torch Rack 580mm
- Counterweight 1.3 kg
- Torch holder with angle & height adjustment (WAP-D6030)
- Power cord
- Operator's manual













Straight line cutting



Bevelling from 0° to 45°



Shown with circle cutting attachment







High precision cutting and bevelling results are achieved with the track assembly, WAP-D6010

Optional Accessories & Consumables



Track Assembly WAP-D6010

Track assembly can be connected together to form various lengths of track. Length 1800mm. "V" Groove center-line: 152mm.



Basic Torch Holder WAP-D6020

Basic torch holder, for torches 28mm to 35mm. Angle adjustment without gauge.



Torch Holder with Angle & Height Adjustment

WAP-D6030

28mm to 35mm torch holder. Precise angle adjustment 45° to -45° & 72mm vertical travel (supplied with machine)



Machine Torch Holder WAP-D6040

35mm (1-3/8") machine torch holder with 32 pitch gear. Angle adjustment without gauge.



Machine Torch Holder with Angle Adjustment

WAP-D6050

35mm (1-3/8") machine torch holder with 32 pitch gear. Precise angle adjustment with gauge.



Sliding Torch Holder Mount

WAP-D6060

Enables the torch holder to slide horizontally along the torch rack.



Cable Anchor

WAP-D6180

Anchors power cable and fuel hoses to relieve stress on the torch holder.



Carriage Support WAP-D6190

Provides balance when the machine is used with an additional load, a longer torch rack or heavier torch.



Manifolds

Available with quick action lever for quick on/off of the gas supply



- · Manifold, Metric, 2x2, Part# WAP-D6070
- · Manifold, Metric, 2x3, Part# WAP-D6080
- Manifold, Imperial, 2x2, Part# WAP-D6090
- Manifold, Imperial, 2x3, Part# WAP-D6100
- Manifold, Quick Style, Metric, 2x2, Part# WAP-D6110
- Manifold, Quick Style, Metric, 2x3, Part# WAP-D6120
- Manifold, Quick Style, Imperial, 2x2, Part# WAP-D6130
- Manifold, Quick Style, Imperial, 2x3, Part# WAP-D6140



Large Counterweight WAP-D6160

2.6kg Counterweight provides extra balance.



Circle Cutting Attachment WAP-D6150

Enables cutting of circles with radius 240 to 1000mm, or 240 to 1450mm with extended torch rack

Extended Torch Rack WAP-D6170

1000mm length for extended reach of the torch holder.



The TRADEMASTER Range of workshop machinery and equipment is designed for the professional demanding high quality & extra heavy duty products built to last. Customers can also be confident with the ongoing backup service & support offered.



Local Distributor